

N/A

1643

#612

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/336,609

DATE: 09/28/1999  
TIME: 14:45:42

Input Set: I336609.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

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PS

1 <110> APPLICANT: Boles, T. Christian  
2 Weir, Lawrence  
3 Stone, Benjamin B.  
4 Mosaic Technologies  
5 <120> TITLE OF INVENTION: Detection of Non-Viral Organisms With SRP RNA  
6 <130> FILE REFERENCE: 018422-000210US  
7 <140> CURRENT APPLICATION NUMBER: US/09/336,609  
8 <141> CURRENT FILING DATE: 1999-06-18  
9 <150> EARLIER APPLICATION NUMBER: US 60/090,063  
10 <151> EARLIER FILING DATE: 1998-06-19  
11 <160> NUMBER OF SEQ ID NOS: 27  
12 <170> SOFTWARE: PatentIn Ver. 2.0  
13 <210> SEQ ID NO 1  
14 <211> LENGTH: 21  
15 <212> TYPE: RNA  
16 <213> ORGANISM: Artificial Sequence  
17 <220> FEATURE:  
18 <223> OTHER INFORMATION: Description of Artificial Sequence:nucleotides  
19 44-65 of E. coli 4.5S RNA conserved across  
20 bacteria  
21 <400> SEQUENCE: 1 21  
22 gucagguccg gaaggaagca g  
23 <210> SEQ ID NO 2  
24 <211> LENGTH: 22  
25 <212> TYPE: DNA  
26 <213> ORGANISM: Artificial Sequence  
27 <220> FEATURE:  
28 <223> OTHER INFORMATION: Description of Artificial Sequence:complement of  
29 conserved E. coli 4.5S RNA region nucleotides  
30 44-65 preferred probe for detection of bacteria  
31 <400> SEQUENCE: 2 22  
32 gctgcttcct tccggacctg ac  
33 <210> SEQ ID NO 3  
34 <211> LENGTH: 21  
35 <212> TYPE: DNA  
36 <213> ORGANISM: Artificial Sequence  
37 <220> FEATURE:  
38 <223> OTHER INFORMATION: Description of Artificial Sequence:complement of  
39 conserved E. coli 4.5S RNA region nucleotides  
40 preferred shorter probe for detection of bacteria  
41 <400> SEQUENCE: 3  
42 gctgcttcct tccggacctg a 21  
43 <210> SEQ ID NO 4  
44 <211> LENGTH: 12

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RAW SEQUENCE LISTING  
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Input Set: I336609.RAW

45 <212> TYPE: DNA  
46 <213> ORGANISM: Artificial Sequence  
47 <220> FEATURE:  
48 <223> OTHER INFORMATION: Description of Artificial Sequence: complement of  
49 conserved E. coli 4.5S RNA region nucleotides  
50 preferred shorter probe for detection of bacteria  
51 <400> SEQUENCE: 4  
52 gctgcttcct tc  
53 <210> SEQ ID NO 5  
54 <211> LENGTH: 14  
55 <212> TYPE: DNA  
56 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <223> OTHER INFORMATION: Description of Artificial Sequence: complement of  
59 conserved E. coli 4.5S RNA region nucleotides  
60 preferred shorter probe for detection of bacteria  
61 <400> SEQUENCE: 5  
62 gctgcttcct tccg 14  
63 <210> SEQ ID NO 6  
64 <211> LENGTH: 14  
65 <212> TYPE: DNA  
66 <213> ORGANISM: Artificial Sequence  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Description of Artificial Sequence: complement of  
69 conserved E. coli 4.5S RNA region nucleotides  
70 preferred shorter probe for detection of bacteria  
71 <400> SEQUENCE: 6  
72 gacctgacct ggta 14  
73 <210> SEQ ID NO 7  
74 <211> LENGTH: 41  
75 <212> TYPE: DNA  
76 <213> ORGANISM: Artificial Sequence  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe  
79 (Ad4.5S13Vnf) from conserved region of E. coli  
80 4.5S RNA  
81 <400> SEQUENCE: 7  
82 gctgcttcct tccggacctg agtgaatacg ttccccgggcc t 41  
83 <210> SEQ ID NO 8  
84 <211> LENGTH: 41  
85 <212> TYPE: DNA  
86 <213> ORGANISM: Artificial Sequence  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe  
89 from conserved region of E. coli 4.5S RNA  
90 <400> SEQUENCE: 8  
91 gctgcttcct tccggacctg acaaaaaacga taaaccaacc a 41  
92 <210> SEQ ID NO 9  
93 <211> LENGTH: 18  
94 <212> TYPE: DNA

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RAW SEQUENCE LISTING  
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Input Set: I336609.RAW

95 <213> ORGANISM: Artificial Sequence  
96 <220> FEATURE:  
97 <223> OTHER INFORMATION: Description of Artificial Sequence:probe (2nf)  
98 suitable for detection of E. coli species  
99 <400> SEQUENCE: 9  
100 ggcacacgcg tcattctgc 18  
101 <210> SEQ ID NO 10  
102 <211> LENGTH: 29  
103 <212> TYPE: RNA  
104 <213> ORGANISM: Artificial Sequence  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: Description of Artificial Sequence:nucleotides  
107 36-65 of E. coli 4.5S RNA conserved across  
108 bacteria  
109 <400> SEQUENCE: 10  
110 uuuaaccaggu cagguccgga aggaagcag 29  
111 <210> SEQ ID NO 11  
112 <211> LENGTH: 30  
113 <212> TYPE: DNA  
114 <213> ORGANISM: Artificial Sequence  
115 <220> FEATURE:  
116 <223> OTHER INFORMATION: Description of Artificial Sequence:complement of  
117 conserved E. coli 4.5S RNA region nucleotides  
118 36-65 preferred probe for detection of bacteria  
119 <400> SEQUENCE: 11  
120 gctgcttcct tccggacctg acctggtaaa 30  
121 <210> SEQ ID NO 12  
122 <211> LENGTH: 29  
123 <212> TYPE: DNA  
124 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:  
126 <223> OTHER INFORMATION: Description of Artificial Sequence:gel-immobilized  
127 acrydite capture probe 13-III-ac  
128 <220> FEATURE:  
129 <221> NAME/KEY: modified\_base  
130 <222> LOCATION: (1)  
131 <223> OTHER INFORMATION: n = acrydite-modified thymine  
132 <400> SEQUENCE: 12  
133 attttttttta ggccccgggaa cgtattcac 29  
134 <210> SEQ ID NO 13  
135 <211> LENGTH: 18  
136 <212> TYPE: DNA  
137 <213> ORGANISM: Artificial Sequence  
138 <220> FEATURE:  
139 <223> OTHER INFORMATION: Description of Artificial Sequence:fluorescent  
140 sandwich probe 2F  
141 <400> SEQUENCE: 13  
142 ggcacacgcg tcattctgc 18  
143 <210> SEQ ID NO 14  
144 <211> LENGTH: 12

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145 <212> TYPE: RNA  
146 <213> ORGANISM: Artificial Sequence  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: Description of Artificial Sequence:alkaline  
149 phosphatase conjugated reporter probe RP-2  
150 <220> FEATURE:  
151 <221> NAME/KEY: modified\_base /  
152 <222> LOCATION: (1)  
153 <223> OTHER INFORMATION: n = alkaline phosphatase-conjugated 2'-O-methyl  
154 guanosine ribonucleotide  
155 <220> FEATURE:  
156 <221> NAME/KEY: modified\_base  
157 <222> LOCATION: (2) /  
158 <223> OTHER INFORMATION: n = cm  
159 <220> FEATURE:  
160 <221> NAME/KEY: modified\_base  
161 <222> LOCATION: (3) /  
162 <223> OTHER INFORMATION: n = um  
163 <220> FEATURE:  
164 <221> NAME/KEY: modified\_base  
165 <222> LOCATION: (4) /  
166 <223> OTHER INFORMATION: n = gm  
167 <220> FEATURE:  
168 <221> NAME/KEY: modified\_base  
169 <222> LOCATION: (5) /  
170 <223> OTHER INFORMATION: n = cm  
171 <220> FEATURE:  
172 <221> NAME/KEY: modified\_base  
173 <222> LOCATION: (6) /  
174 <223> OTHER INFORMATION: n = um  
175 <220> FEATURE:  
176 <221> NAME/KEY: modified\_base  
177 <222> LOCATION: (7) /  
178 <223> OTHER INFORMATION: n = um  
179 <220> FEATURE:  
180 <221> NAME/KEY: modified\_base  
181 <222> LOCATION: (8) /  
182 <223> OTHER INFORMATION: n = cm  
183 <220> FEATURE:  
184 <221> NAME/KEY: modified\_base  
185 <222> LOCATION: (9) /  
186 <223> OTHER INFORMATION: n = cm  
187 <220> FEATURE:  
188 <221> NAME/KEY: modified\_base  
189 <222> LOCATION: (10) /  
190 <223> OTHER INFORMATION: n = gm  
191 <220> FEATURE:  
192 <221> NAME/KEY: modified\_base  
193 <222> LOCATION: (11)  
194 <223> OTHER INFORMATION: n = um

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DATE: 09/28/1999  
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Input Set: I336609.RAW

w--OK

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195 <220> FEATURE:
196 <221> NAME/KEY: modified_base
197 <222> LOCATION: (12)
198 <223> OTHER INFORMATION: n = cm
199 <400> SEQUENCE: 14
200      nnnnnnnnnnnn nn
201 <210> SEQ ID NO 15
202 <211> LENGTH: 19
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence:gel-immobilized
207      acrydite-modified capture probe CP-1
208 <220> FEATURE:
209 <221> NAME/KEY: modified_base
210 <222> LOCATION: (1)
211 <223> OTHER INFORMATION: n = acrydite-modified thymine
212 <220> FEATURE:
213 <221> NAME/KEY: modified_base
214 <222> LOCATION: (7)
215 <223> OTHER INFORMATION: n = cm
216 <220> FEATURE:
217 <221> NAME/KEY: modified_base
218 <222> LOCATION: (8)
219 <223> OTHER INFORMATION: n = gm
220 <220> FEATURE:
221 <221> NAME/KEY: modified_base
222 <222> LOCATION: (9)
223 <223> OTHER INFORMATION: n = gm
224 <220> FEATURE:
225 <221> NAME/KEY: modified_base
226 <222> LOCATION: (10)
227 <223> OTHER INFORMATION: n = 2'-O-methyl adenosine ribonucleotide
228 <220> FEATURE:
229 <221> NAME/KEY: modified_base
230 <222> LOCATION: (11)
231 <223> OTHER INFORMATION: n = cm
232 <220> FEATURE:
233 <221> NAME/KEY: modified_base
234 <222> LOCATION: (12)
235 <223> OTHER INFORMATION: n = cm
236 <220> FEATURE:
237 <221> NAME/KEY: modified_base
238 <222> LOCATION: (13)
239 <223> OTHER INFORMATION: n = um
240 <220> FEATURE:
241 <221> NAME/KEY: modified_base
242 <222> LOCATION: (14)
243 <223> OTHER INFORMATION: n = gm
      <220> FEATURE:

```

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I336609.RAW

| Line | ? | Error/Warning                       | Original Text                    |
|------|---|-------------------------------------|----------------------------------|
| 133  | W | "N" or "Xaa" used: Feature required | nttttttttta ggcccgggaa cgtattcac |
| 200  | W | "N" or "Xaa" used: Feature required | nnnnnnnnnn nn                    |
| 265  | W | "N" or "Xaa" used: Feature required | ntttttnnnn nnnnnnnnn             |
| 330  | W | "N" or "Xaa" used: Feature required | ntttttnnnn nnnnnnnnn             |
| 395  | W | "N" or "Xaa" used: Feature required | ntttttnnnn nnnnnnnnn             |
| 460  | W | "N" or "Xaa" used: Feature required | ntttttnnnn nnnnnnnnn             |
| 525  | W | "N" or "Xaa" used: Feature required | ntttttnnnn nnnnnnnnn             |
| 646  | W | "N" or "Xaa" used: Feature required | nnnnnnnnnn nn                    |